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Client: TAIZHOU HUALI PLASTIC CO.,LTD.
Zhangdian Industrial Zone, Jiangyan City, Jiangsu, China

**Identification/
Model No(s):** Wood-Plastic Base Material

Sample Receiving date: 2014-06-24

Testing Period: 2014-06-24 - 2014-07-09

Test Specification:**Test result:**

Customer's requirement:

- | | |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|
| <ol style="list-style-type: none"> 1. Screening of SVHCs in subject to authorisation, according to (EU) No 143/2011, (EU) No 125/2012 and (EU) No 348/2013 (Annex XIV of (EC) No 1907/2006), and SVHCs in candidate list, by European Chemical Agency (ECHA). 2. According to RoHS (recast): Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment, 2011/65/EU | <p>Please refer to page 3.</p> <p>PASS</p> |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|

Other information:

Please be kindly informed that all the content recorded in the captioned report Q00325803-9 is cancelled and now superseded by Q00325803-9R1.

For and on behalf of
TÜV Rheinland (Shanghai) Ltd.

2014-07-22 Joanna Qiao / Assistant Manager

Date *Name/Position*

Test result is drawn according to the kind and extent of tests performed.

This test report relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.

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Material List:

Item: Wood-Plastic Base Material

Material No.	Material	Color	Location
M001	Plastic + wood	Beige	refer to photo

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1. Screening of SVHCs in subject to authorisation, according to (EU) No 143/2011, (EU) No 125/2012 and (EU) No 348/2013 (Annex XIV of (EC) No 1907/2006), and SVHCs in candidate list, by European Chemical Agency (ECHA).

Test Method: 1) Test portion is digested with acid and assisted with microwave, the elements are analysed by ICP-OES.
2) Test portion is extracted by organic solvent, semi-quantitative analysis by GC-MS / UV-Vis.
3) Test portion is extracted by organic solvent, the extraction solution is analyzed by Headspace-GC/MS / LC-DAD-MS / LC-MS/MS.

Test Result:

Test No.:	T001
Material No.:	M001
Result (%)	n.d.

Abbreviation: n.d. = Not Detected (< Reporting Limit)
RL = Reporting Limit
% = Percentage

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Remark:

(*1) The reporting limit for each individual SVHC subject to authorisation according to (EU) No 143/2011, (EU) No 125/2012 and (EU) No 348/2013 (Annex XIV of EC No 1907/2006):

	Substance	CAS No.	Reporting Limit
1	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	0.01%
2	Benzylbutyl phthalate (BBP)	85-68-7	0.01%
3	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.01%
4	Dibutyl phthalate (DBP)	84-74-2	0.01%
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4/3 194-55-6	0.01%
6	5-Tert-butyl-2,4,6-trinitro-m-xylene (Musk Xylene, MX)	81-15-2	0.01%
7	2,4-Dinitrotoluene (2,4-DNT)	121-14-2	0.01%
8	Diisobutyl phthalate (DIBP)	84-69-5	0.01%
9	Tris(2-chloroethyl)phosphate	115-96-8	0.01%
10	Diarsenic pentoxide(*3)	1303-28-2	0.01%
11	Diarsenic trioxide(*3)	1327-53-3	0.01%
12	Lead chromate(*3)(*4)	7758-97-6	0.01%
13	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (*3)(*4)	12656-85-8	0.01%
14	Lead sulfochromate yellow (C.I. Pigment Yellow 34) (*3)	1344-37-2	0.01%
15	Trichloroethylene	79-01-6	0.01%
16	Chromium trioxide(*4)	1333-82-0	0.01%
17	Acids generated from chromium trioxide and their oligomers: Chromic acid Dichromic acid Oligomers of chromic acid and dichromic acid(*4)	7738-94-5 13530-68-2	0.01%
18	Sodium dichromate, dihydrate (*3)	7789-12-0/10588-01-9	0.01%
19	Potassium dichromate(*4)	7778-50-9	0.01%
20	Ammonium dichromate(*4)	7789-09-5	0.01%
21	Potassium chromate(*4)	7789-00-6	0.01%
22	Sodium chromate(*4)	7775-11-3	0.01%

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(*2) The reporting limit for each individual SVHC in Candidate List by ECHA:

	Substance	CAS No.	Reporting Limit
23	Anthracene	120-12-7	0.01%
24	Bis(tributyltin)oxide (TBTO) (*3) (*5)	56-35-9	0.01%
25	Triethyl arsenate(*3)	15606-95-8	0.01%
26	Lead hydrogen arsenate(*3)	7784-40-9	0.01%
27	Cobalt(II) dichloride(*3)	7646-79-9	0.01%
28	Acrylamide	79-06-1	0.01%
29	Anthracene oil(*7)	90640-80-5	0.01%(*8)
30	Anthracene oil,anthracene paste,distn.lights(*7)	91995-17-4	
31	Anthracene oil, anthracene paste, anthracene fraction (*7)	91995-15-2	
32	Anthracene oil, anthracene-low(*7)	90640-82-7	
33	Anthracene oil, anthracene paste (*7)	90640-81-6	
34	Coal tar pitch, high temperature (*7)	65996-93-2	
35	Boric acid(*3) (*6)	10043-35-3/11113-50-1	0.01%
36	Disodium tetraborate, anhydrous(*3) (*6)	1330-43-4/12179-04-3/ 1303-96-4	0.01%
37	Tetraboron disodium heptaoxide, hydrate(*3) (*6)	12267-73-1	0.01%
38	2-Methoxyethanol	109-86-4	0.01%
39	2-Ethoxyethanol	110-80-5	0.01%
40	Cobalt(II) sulphate(*3)	10124-43-3	0.01%
41	Cobalt(II) dinitrate(*3)	10141-05-6	0.01%
42	Cobalt(II) carbonate(*3)	513-79-1	0.01%
43	Cobalt(II) diacetate(*3)	71-48-7	0.01%
44	Alkanes C10-C13, chloro (Short chain chlorinated paraffins) (SCCP)	85535-84-8	0.01%
45	2-Ethoxyethyl acetate	111-15-9	0.01%
46	Strontium chromate (*4)	7789-06-2	0.01%
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP)	68515-42-4	0.01%
48	Hydrazine	7803-57-8 302-01-2	0.01%
49	1-Methyl-2-pyrrolidone	872-50-4	0.01%
50	1,2,3-Trichloropropane	96-18-4	0.01%
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters C7-rich (DIHP)	71888-89-6	0.01%
52	Dichromium tris(chromate) (*4)	24613-89-6	0.01%
53	Potassium hydroxyoctaoxidizincatedi-chromate (*4)	11103-86-9	0.01%
54	Pentazinc chromate octahydroxide (*4)	49663-84-5	0.01%
55	Aluminosilicate Refractory Ceramic Fibres (RCF) (*9)	-	0.01%
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) (*9)	-	0.01%
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA) (*11)	25214-70-4	0.01%
58	Bis(2-methoxyethyl) phthalate	117-82-8	0.01%

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59	2-Methoxyaniline; o-Anisidine	90-04-0	0.01%
60	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.01%
61	1,2-Dichloroethane	107-06-2	0.01%
62	Bis(2-methoxyethyl) ether	111-96-6	0.01%
63	Arsenic acid (*3)	7778-39-4	0.01%
64	Calcium arsenate (*3)	7778-44-1	0.01%
65	Trilead diarsenate (*3)	3687-31-8	0.01%
66	N,N-dimethylacetamide (DMAC)	127-19-5	0.01%
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01%
68	Phenolphthalein	77-09-8	0.01%
69	Lead dipicrate (*3)	6477-64-1	0.01%
70	Lead diazide, Lead azide (*3)	13424-46-9	0.01%
71	Lead styphnate (*3)	15245-44-0	0.01%
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.01%
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01%
74	Diboron trioxide (*3) (*6)	1303-86-2	0.01%
75	Formamide	75-12-7	0.01%
76	Lead(II) bis(methanesulfonate) (*3)	17570-76-2	0.01%
77	1,3,5-tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01%
78	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC)	59653-74-6	0.01%
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone), MK	90-94-8	0.01%
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base), RMK	101-61-1	0.01%
81	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) (*10)	2580-56-5	0.01%
82	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3) (*10)	548-62-9	
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol (*10)	561-41-1	
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) (*10)	6786-83-0	
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	0.01%
86	Pentacosafuorotridecanoic acid	72629-94-8	0.01%
87	Tricosafuorododecanoic acid	307-55-1	0.01%
88	Henicosafuoroundecanoic acid	2058-94-8	0.01%
89	Heptacosafuorotetradecanoic acid	376-06-7	0.01%
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO) [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.01%
91	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCB) (*12)	123-77-3	0.05%

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92	4-Nonylphenol, branched and linear <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</i>	-	0.01%
93	Hexahydro-2-benzofuran-1,3-dione (HHPA) cis-cyclohexane-1,2-dicarboxylic anhydride trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7 13149-00-3 14166-21-3	0.01%
94	Hexahydromethylphthalic anhydride (MHHPA) Hexahydro-4-methylphthalic anhydride Hexahydro-1-methylphthalic anhydride Hexahydro-3-methylphthalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.01%
95	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01%
96	Diisopentylphthalate	605-50-5	
97	N-pentyl-isopentylphthalate	776297-69-9	
98	Methoxyacetic acid (MAA)	625-45-6	0.01%
99	N,N-dimethylformamide	68-12-2	0.01%
100	1,2-Diethoxyethane	629-14-1	0.01%
101	Diethyl sulphate	64-67-5	0.01%
102	Dimethyl sulphate	77-78-1	0.01%
103	N-methylacetamide	79-16-3	0.01%
104	1-bromopropane (n-propyl bromide)	106-94-5	0.01%
105	Furan	110-00-9	0.01%
106	Methyloxirane (Propylene oxide)	75-56-9	0.01%
107	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01%
108	Dibutyltin dichloride (DBTC) (*3)	683-18-1	0.01%
109	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01%
110	4,4'-methylenedi-o-toluidine	838-88-0	0.01%
111	4,4'-oxydianiline and its salts	101-80-4	0.01%
112	4-Aminoazobenzene	60-09-3	0.01%
113	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.01%
114	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01%
115	Biphenyl-4-ylamine	92-67-1	0.01%
116	o-aminoazotoluene	97-56-3	0.01%
117	o-Toluidine	95-53-4	0.01%
118	Acetic acid, lead salt, basic (*3)	51404-69-4	0.01%
119	Trilead bis(carbonate)dihydroxide (*3)	1319-46-6	0.01%
120	Lead oxide sulfate (*3)	12036-76-9	0.01%
121	[Phthalato(2-)]dioxotrilead (*3)	69011-06-9	0.01%
122	Dioxobis(stearato)trilead (*3)	12578-12-0	0.01%
123	Fatty acids, C16-18, lead salts (*3)	91031-62-8	0.01%
124	Lead bis(tetrafluoroborate) (*3)	13814-96-5	0.01%
125	Lead cyanamidate (*3)	20837-86-9	0.01%
126	Lead dinitrate (*3)	10099-74-8	0.01%
127	Lead monoxide (Lead oxide) (*3)	1317-36-8	0.01%

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128	Orange lead (Lead tetroxide) (*3)	1314-41-6	0.01%
129	Lead titanium trioxide (*3)	12060-00-3	0.01%
130	Lead Titanium Zirconium Oxide (*3)	12626-81-2	0.01%
131	Pyrochlore, antimony lead yellow (*3)	8012-00-8	0.01%
132	Pentalead tetraoxide sulphate (*3)	12065-90-6	0.01%
133	Silicic acid, barium salt (1:1), lead-doped (*3)	68784-75-8	0.01%
134	Silicic acid, lead salt (*3)	11120-22-2	0.01%
135	Sulfurous acid, lead salt, dibasic (*3)	62229-08-7	0.01%
136	Tetraethyllead (*3)	78-00-2	0.01%
137	Tetralead trioxide sulphate (*3)	12202-17-4	0.01%
138	Trilead dioxide phosphonate (*3)	12141-20-7	0.01%
139	Dipentyl phthalate (DPP)	131-18-0	0.01%
140	Ammonium pentadecafluorooctanoate (APFO) (*13)	3825-26-1	0.01%
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01%
142	Cadmium (*3)	7440-43-9	0.01%
143	Cadmium oxide (*3)	1306-19-0	0.01%
144	4-Nonylphenol, branched and linear, ethoxylated (NPEO) <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]</i>	-	0.01%
145	Dihexyl phthalate	84-75-3	0.01%
146	Trixylyl phosphate	25155-23-1	0.01%
147	Imidazolidine-2-thione; 2-imidazoline-2-thiol (Ethyleneithiurea)	96-45-7	0.01%
148	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-minonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.01%
149	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	0.01%
150	Lead di(acetate) (*3)	301-04-2	0.01%
151	Cadmium Sulphide (*3)	1306-23-6	0.01%
152	1,2-Benzenedicarboxylicacid, 1,2-dihexyl ester, branched and linear	68515-50-4	0.01%
153	Cadmium chloride (*3)	10108-64-2	0.01%
154	Sodium perborate; perboric acid, sodium salt (*3)	---	0.01%
155	Sodium peroxometaborate (*3)	7632-04-4	0.01%

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- *3 The substance is tested in terms of its respective elements (e.g. As, Pb, Co, B, Cd, Sn).
- *4 The substance is tested in terms of Cr (VI).
- *5 The substance is tested and calculated in terms of Tributyl tin.
- *6 The substance is confirmed and tested in terms of Boric acid.
- *7 The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- *8 Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- *9 The test result is based on microscopic and chemical evaluation.
- *10 The substance is quantified in terms of Michler's Ketone and Michler's Base by LC-MS, as Michler's Ketone or Michler's Base was found exceeds 0.01%.
- *11 The oligomer content is determined by Py-GC/MS.
- *12 The content of diazene-1,2-dicarboxamide is analyzed in term of its breakdown product.
- *13 The substance is tested in terms of pentadecafluorooctanoate.

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3.(HM) Cadmium, Lead, Chromium (VI), Mercury, Polybrominated biphenyls (PBB) and Polybrominated diphenyl ethers (PBDE)

 Test Method: Total Cadmium, Lead, Mercury, Chromium
 - Ref. to IEC 62321-4:2013 and IEC 62321-5:2013

 Chromium (VI) - Ref. to EN 62321:2009
 (for Leather Material, Chromium (VI) - Ref. to ISO 17075:2007)

PBBs, PBDEs - Ref. to EN 62321:2009

Material List:

Material No.	Material	Color	Location	Test plan
				A = Test HM only B = Test FR only C = Test HM + FR
M001	Plastic + wood	Beige	refer to photo	C

Abbreviation: HM (Heavy metal) = Cd, Pb, Hg, Cr VI
 FR (Flame Retardant) = PBBs, PBDEs

Test Result:

	Cd	Cr(VI)	Pb	Hg	PBBs (*)	PBDEs (*)
Maximum Permissible Limit (mg/kg)	100	1000	1000	1000	1000	1000

Material No.	(mg/kg)					
	Cd	Cr ^{VI}	Pb	Hg	PBBs (*)	PBDEs (*)
	RL (mg/kg)					
	10	10	10	10	5	5
M001	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.

Material No.	Hexavalent Chromium Content (mg/kg) RL: 100mg/kg
M001	n.d.

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Abbreviation:	Pb	= Lead
	Cd	= Cadmium
	Hg	= Mercury
	Cr	= Chromium
	Cr (VI)	= Chromium (VI)
	PBBs	= Total Polybrominated Biphenyls
	PBDEs	= Total Polybrominated Diphenyl Ethers
	n.d.	= Not Detected (<RL)
	RL	= Reporting Limit
	n.a.	= Not Applicable
	^	= The total Chromium have been determined
	mg/kg	= milligram per kilogram

Remark:

* The reporting limit for each individual PBBs and individual PBDEs are :

Reporting Limit (mg/kg)		
PBBs	Bromobiphenyl	5
	Dibromobiphenyl	5
	Tribromobiphenyl	5
	Tetrabromobiphenyl	5
	Pentabromobiphenyl	5
	Hexabromobiphenyl	5
	Heptabromobiphenyl	5
	Octabromobiphenyl	5
	Nonabromobiphenyl	5
	Decabromobiphenyl	5
PBDEs	Bromodiphenylether	5
	Dibromodiphenyl ether	5
	Tribromodiphenyl ether	5
	Tetrabromodiphenyl ether	5
	Pentabromodiphenyl ether	5
	Hexabromodiphenyl ether	5
	Heptabromodiphenyl ether	5
	Octabromodiphenyl ether	5
	Nonabromodiphenyl ether	5
	Decabromodiphenyl ether	5

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Sample Photo



- END -